

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20070144381"	US-PGPUB; USPAT	OR	ON	2010/01/19 19:32
S2	12	((HEINZ) near2 (LORI(G)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/19 19:33
S3	8	((STEPHAN) near2 (LORI(G)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/19 19:33
S4	1	((JOAN-DIRK) near2 (KUMPERS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/19 19:34
S5	1	((JOAN-DIRK) near2 (KUMPERS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/19 19:35
S6	0	(polywest near kunststofftechnik near GMBH).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/19 19:38
S7	24	(polywest near kunststofftechnik).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/19 19:38
S8	885	(polywest kunststofftechnik).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/19 19:38
S9	13	S2 or S3 or S4	US-PGPUB; USPAT	OR	ON	2010/01/19 19:39

S10	885	S7 or S8	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/19 19:40
S11	5	("20020023562" "20020056387" "20040079250" "5819657" "5941808").PN.	US_PGPUB; USPAT	OR	ON	2010/01/19 19:42
S12	2	("6745692" "6866985").PN.	US_PGPUB; USPAT	OR	ON	2010/01/19 19:58
S13	2512	"20010046575" "20020032996" "20020037144" "20030013337" "20030042037" "20030133673" "20030203200" "20040032089" "20040168806" "20040194462" "20050073108" "20050238841" "20070057504" "20070068670" "20070144381" "20090101328" "3592491" "3658048" "3801080" "3803398" "3810729" "3869758" "3877211" "3892395" "3909893" "4058456" "4061416" "4079927" "4105561" "4117572" "4124364" "4127370" "4132461" "4141776" "4154783" "4160521" "4172106" "4174125" "4252405" "4258977" "4261642" "4269024" "4283239" "4285192" "4290667" "4296292" "4296586" "4298417" "4300321" "4300922" "4304530" "4308927" "4309289" "4315346" "4316054" "4319448" "4333705" "4337287" "4339172" "4348076" "4361380" "4362521" "4370138" "4373685" "4387957" "4389091" "4392343" "4396248" "4397609" "4399589" "4406558" "4411412" "4412878" "4427262" "4434756" "4436325" "4438293" "4445753" "4448002" "4448470" "4450612" "4479556" "4482201" "4482303" "4484783" "4489604" "4491342" "4493124" "4494822" "4496212" "4497536" "4520980" "4526492" "4529211" "4530534" "4537021" "4537468" "4543700" "4569114" "4576081" "4576437" "4595254" "4597632" "4602926" "4608947" "4622197" "4625839" "4628678" "4768562" "4769892" "4771803" "4772178" "4773728" "4773891" "4778244" "4803104" "4808308" "4809993" "4813457" "4832722" "4838905" "4862755" "4887751" "4892462" "4896590" "4899982" "4906066" "4915851" "4923320" "4925430" "4930502" "4936715" "4942904" "4944987" "4945457" "4953670" "4968184" "4971097" "4972880" "4979756" "4984867" "4991857" "5002464" "5009570" "5012833" "5015808" "5022986" "5043853" "5178423" "5186427" "5210815" "5211504" "5212751" "5222296" "5236765" "5238384" "5241611" "5257337" "5261710" "5305520" "5324081" "5345935" "5357261" "5361384" "5402635" "5437170" "5437342" "5439421" "5465601" "5467891" "5468382" "5496002" "5497548" "5542230" "5547055" "5551414" "5555786" "5561338" "5575757" "5579953" "5635673" "5636955" "5642892" "5672931"	OR	ON	2010/01/19 20:26	

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S14	3	("6745692" "6866985" "4794858").PN.	US-PGPUB; USPAT	OR	ON 20:28
S15	2512	"20010046575" "20020032996" "20020037144" "20030013337" "20030042037" "20030133673" "20030203200" "20040032089" "20040168806" "20040194462" "20050073108" "20050238841" "20070057504" "20070068670" "20070144381" "20090101328" "3592491" "3658048" "3801080" "3803398" "3810729" "3869758" "3877211" "3892395" "3909893" "4058456" "4061416" "4079927" "4105561" "4117572" "4124364" "4127370" "4132461" "4141776" "4154783" "4160521" "4172106" "4174125" "4252405" "4258977" "4261642" "4269024" "4283239" "4285192" "4290667" "4296292" "4296586" "4298417" "4300321" "4300922" "4304530" "4308927" "4309289" "4315346" "4316054" "4319448" "4333705" "4337287" "4339172" "4348076" "4361380" "4362521" "4370138" "4373685" "4387957" "4389091" "4392343" "4396248" "4397609" "4399589" "4406558" "4411412" "4412878" "4427262" "4434756" "4436325" "4438293" "4445753" "4448002" "4448470" "4450612" "4479556" "4482201" "4482303" "4484783" "4489604" "4491342" "4493124" "4494822" "4496212" "4497536" "4520980" "4526492" "4529211" "4530534" "4537021" "4537468" "4543700" "4569114" "4576081" "4576437" "4595254" "4597632" "4602926" "4608947" "4622197" "4625839" "4628678" "4768562" "4769892" "4771803" "4772178" "4773728" "4773891" "4778244" "4803104" "4808308" "4809993" "4813457" "4832722" "4838905" "4862755" "4887751" "4892462" "4896590" "4899982" "4906066" "4915851" "4923320" "4925430" "4930502" "4936715" "4942904" "4944987" "4945457" "4953670" "4968184" "4971097" "4972880" "4979756" "4984867" "4991857" "5002464" "5009570" "5012833" "5015808" "5022986" "5043853" "5178423" "5186427" "5210815" "5211504" "5212751" "5222296" "5236765" "5238384" "5241611" "5257337" "5261710" "5305520" "5324081" "5345935" "5357261" "5361384" "5402635" "5437170"	US-PGPUB; USPAT	OR	ON 14:39

		"5437342" "5439421" "5465601" "5467891" "5468382" "5496002" "5497548" "5542230" "5547055" "5551414" "5555786" "5561338" "5575757" "5579953" "5635673" "5636955" "5642892" "5672931" "5698237" "5702052" "5705241" "5707252" "5733495" "5762489" "5772218" "5772257" "5774617" "5775541" "5785724" "5797602" "5826615" "5852695" "5884651" "5927340" "5944141" "5947071" "5947180" "5948509" "5954294" "5955822" "6000820" "6007067" "6010171" "6015169" "6024415" "6058549" "6058549" "6070447" "6076976" "6082063" "6086109" "6099308" "6109957" "6112770" "6179514" "6186119" "6196351" "6196424" "6198048" "6231129" "6234545" "6238099" "6244752" "6305133" "6336297" "6340180" "6405502" "6419721" "6470635" "6476322" "6612752" "6695315" "6699548" "6814500" "6881084" "6944388" "6964166" "6988369" "7125019" "7143829" "7374210" "7404436" "7475711" RE36539				
S16	17	S15 and print\$4 and (rod cylinder\$4 tub\$4 pipe roll rum barrel bobbin reel) same ((inner outer internal external surround\$4) near (sleeve\$2 tub \$3 cylinder\$4 pipe bush\$3 tubular roll))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 14:43
S17	12	((HEINZ) near2 (LORIG)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/20 19:03
S18	8	((STEPHAN) near2 (LORIG)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/20 19:03
S19	1	((JOAN-DIRK) near2 (KUMPERS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/20 19:03
S20	13	S17 or S18 or S19	US-PGPUB; USPAT	OR	ON	2010/01/20 19:03
S21	9	S20 and print\$4 and (rod cylinder\$4 tub\$4 pipe roll rum barrel bobbin reel) same ((inner outer internal external surround\$4) near (sleeve\$2 tub \$3 cylinder\$4 pipe bush\$3 tubular roll))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/20 19:03
S22	5	("6148725" "6371023" "6484632" "6640711" "6745692").PN. OR ("7316183").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/20 20:38
S23	23	("3982312" "4378622" "4583460" "4641411" "4864926" "4903597" "5072504" "5216954" "5537923" "5544584" "5577443").PN. OR ("5752444").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/22 11:16

S24	12	((HEINZ) near2 (LORIG)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/22 14:50
S25	8	((STEPHAN) near2 (LORIG)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/22 14:50
S26	1	((JOAN-DIRK) near2 (KUMPERS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/22 14:50
S27	13	S24 or S25 or S26	US-PGPUB; USPAT	OR	ON	2010/01/22 14:50
S28	28084	print\$4 and (rod cylinder\$4 tub\$4 pipe roll rum barrel bobbin reel) same ((inner outer internal external surround\$4) near (sleeve\$2 tub\$3 cylinder \$4 pipe bush\$3 tubular roll))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 14:57
S29	5302	101/216,217,219,375,376,382,1,383.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 15:00
S30	440	S28 and S29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 15:00
S31	186	S30 and (ring annular) same (end wall inner internal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 15:02
S32	200	S30 and (ring annular flange) same (end wall inner internal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 15:06

S33	18	S32 and ((sleeve\$2 tub\$3 cylinder\$4 pipe bush\$3 tubular roll) with ((carbon near (fiber fibre))) ((fiber fibre) near glass))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 15:10
S34	6761	101/216,217,219,375,376,382,1,383,389,1,390,395.xls	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 15:44
S35	1361	S34 and print\$4 and ((rod cylinder\$4 tub\$4 pipe roll rum barrel bobbin reel) same ((inner outer internal external surround\$4) near8 (sleeve\$2 tub\$3 cylinder\$4 pipe bush\$3 tubular roll wall)))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 16:21
S36	267	S34 and print\$4 and ((rod cylinder\$4 tub\$4 pipe roll rum barrel bobbin reel) same ((inner outer internal external surround\$4) near8 (sleeve\$2 tub\$3 cylinder\$4 pipe bush\$3 tubular roll wall)) with (ring annular flange collar neckband))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/22 16:36
S37	1	"20020168139"	US_PGPUB	OR	ON	2010/01/25 11:45
S38	1	"20080239042"	US_PGPUB	OR	ON	2010/01/25 12:27
S39	1	"20080158304"	US_PGPUB	OR	ON	2010/01/25 13:01
S40	363	b41f027/06.ipc.	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 20:39

S41	116	b41f027/10.ipc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 20:39
S42	629	b41f013/10.ipc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 20:39
S43	1043	S40 or S41 or S42	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 20:40
S44	144	S43 and (rod cylinder\$4 tub\$4 pipe roll rum barrel bobbin reel) same ((inner outer internal external surround\$4) near (sleeve\$2 tub\$3 cylinder \$4 pipe bush\$3 tubular roll))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 20:40
S45	70	S44 and (ring annular flange collar neckband ((support\$4 reinforce\$4 abide hold\$4 pillar) near9 (ring annular band rim circular orbicular)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 20:41
S46	1866	101/375,376,382.1,383.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 20:41
S47	2691	print\$4 and (rod cylinder\$4 tub\$4 pipe roll rum barrel bobbin reel) same ((inner outer internal external surround\$4) near (sleeve\$2 tub\$3 cylinder \$4 pipe bush\$3 tubular roll)) with (ring annular flange collar neckband ((support\$4 reinforce\$4 abide hold\$4 pillar) near4 (ring annular band rim circular orbicular)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 20:42
S48	29	S46 and S47	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 20:42

S49	363	b41f027/06.ipc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/26 12:11
S50	116	b41f027/10.ipc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/26 12:11
S51	629	b41f013/10.ipc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/26 12:11
S52	1043	S49 or S50 or S51	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/26 12:11
S53	532	S52 and (rod cylinder\$4 tub\$4 pipe roll rum barrel bobbin reel) same ((inner outer internal external surround\$4 interior insert\$4 addition) near12 (sleeve\$2 tub\$3 cylinder\$4 pipe bush\$3 tubular roll))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/26 12:11
S54	202	S53 and (ring annular flange collar neckband ((support\$4 reinforce\$4 abide hold\$4 pillar) near9 (ring annular band rim circular orbicular)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/26 12:12
S55	303167	(rod cylinder\$4 tub\$4 pipe roll rum barrel bobbin reel) same ((inner outer internal external surround\$4 interior insert\$4 addition) near12 (sleeve\$2 tub\$3 cylinder\$4 pipe bush\$3 tubular roll)) with (ring annular flange collar neckband ((support\$4 reinforce\$4 abide hold\$4 pillar) near4 (ring annular band rim circular orbicular)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/26 12:13
S56	1867	101/375,376,382.1,383.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/26 12:14

S57	115	S56 and S55	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/26 12:14
S58	9	("4030415" "4823693" "4913048" "5745968" "5802975" "6386103").PN. OR ("6792858").URPN.	US_PGPUB; USPAT; USOOR	OR	ON	2010/01/26 15:16
S59	13	(US-20070144381-\$ or US-20040079250-\$ or US-20060180038-\$ or US-20040144270-\$ or US-20030177924-\$).did. or (US-5784961-\$ or US-6202557-\$ or US-6758139-\$ or US-6725774-\$ or US-6394943-\$ or US-5819657-\$ or US-6792858-\$ or US-4237786-\$).did.	US_PGPUB; USPAT	OR	ON	2010/01/26 17:20
S60	3	S59 and ((fiber fibre) near (material sheet layer nowoven composite film))	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/26 17:22
S61	65	("2365980" "3015268" "3043211" "3146709" "3475803" "3673025" "3959574" "3978254" "4030415" "4044678" "4089265" "4119032" "4144812" "4144813" "4296172" "4381709" "4496434" "4503769" "4554040" "4583460" "4624184" "4641411" "4651643" "4794858" "4903597" "4934266" "5206992" "5316798" "5468568" "5544584" "5706731" "5711222").PN. OR ("5819657").URPN.	US_PGPUB; USPAT; USOOR	OR	ON	2010/01/26 17:30
S62	13	(US-20070144381-\$ or US-20040079250-\$ or US-20060180038-\$ or US-20040144270-\$ or US-20030177924-\$).did. or (US-5784961-\$ or US-6202557-\$ or US-6758139-\$ or US-6725774-\$ or US-6394943-\$ or US-5819657-\$ or US-6792858-\$ or US-4237786-\$).did.	US_PGPUB; USPAT	OR	ON	2010/02/06 16:42
S63	160	("20020056387" "20020065180" "2365980" "3015268" "3043211" "3097598" "3146709" "3389450" "3475803" "3673025" "3704669" "3707752" "3757398" "3897292" "3919937" "3959574" "3978254" "4030415" "4043013" "4044678" "4089265" "4119032" "4144812" "4144813" "4224095" "4296172" "4368568" "4381709" "4438695" "4455727" "4461663" "4496434" "4503769" "4509426" "4554040" "4576845" "4583460" "4624184" "4637109" "4641411" "4651643" "4697516" "4794858" "4807527" "4812219" "4823693" "4864926" "4903597" "4913048" "4913051" "4913943" "4920627" "4934266" "5061533" "5174206" "5206992" "5316798" "5324248" "5364202" "5386771" "5387172" "5429051" "5468568" "5537923" "5544584" "5547448" "5598777" "5660109" "5678485" "5706731"	US_PGPUB; USPAT; USOOR	OR	ON	2010/02/06 16:42

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S64	171	S62 or S63	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/06 16:43
S65	4	S64 and ((surface coat\$4 layer) near18 electrostatic)	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/06 17:15
S66	1	"5370961".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/06 17:19
S67	6764	101/216,217,219,375,376,382.1,383,389.1,390,395.ccl.s.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/07 21:34
S68	1362	S67 and print\$4 and ((rod cylinder\$4 tub\$4 pipe roll rum barrel bobbin reel) same ((inner outer internal external surround\$4) near8 (sleeve\$2 tub\$3 cylinder\$4 pipe bush\$3 tubular roll wall)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/07 21:34
S69	0	S68 and ((outer external surface) near (surface layer)) same (electrical near conduct\$4) same ((discharg\$4 charg\$4) near electrostatic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/07 21:34
S70	4	S68 and ((outer external surface) near7 (surface layer)) and (electrical near conduct\$4) and ((discharg\$4 charg\$4) near8 electrostatic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/07 21:36
S71	12	((HEINZ) near2 (LORIG)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/08 17:34

S72	8	((STEPHAN) near2 (LORIG)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/08 17:34
S73	1	((JOAN-DIRK) near2 (KUMPERS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/08 17:34
S74	13	S71 or S72 or S73	US-PGPUB; USPAT	OR	ON	2010/02/08 17:34
S75	0	S74 and (electrical near conduct\$4) and ((discharg\$4 charg\$4) near8 electrostatic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/08 17:34
S76	5	S74 and ((discharg\$4 charg\$4) near8 electrostatic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/08 17:34
S77	5	S74 and (surface top) same ((discharg\$4 charg\$4) near8 electrostatic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/08 17:35

EAST Search History (Interference)

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